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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/569,516	02/24/2006	Jun-Hong Lee	9062H-000416/US/NP	8605
28997	7590	05/20/2009	EXAMINER	
HARNESS, DICKEY, & PIERCE, P.L.C			DEAN, RAYMOND S	
7700 Bonhomme, Suite 400				
ST. LOUIS, MO 63105			ART UNIT	PAPER NUMBER
			2618	
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			05/20/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/569,516	LEE ET AL.	
	Examiner	Art Unit	
	RAYMOND S. DEAN	2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 03 March 2009.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-39,55 and 56 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) 1-32,55 and 56 is/are allowed.
 6) Claim(s) 33 and 35 is/are rejected.
 7) Claim(s) 34 and 36-39 is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 24 February 2006 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ . |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____. | 6) <input type="checkbox"/> Other: _____ . |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim 33 is rejected under 35 U.S.C. 102(e) as being anticipated by Yamamoto (US 6,816,363)

Regarding Claim 33, Yamamoto teaches a portable terminal having a sliding opening and closing device, comprising: a main body defining a space (Figure 1, Cols. 3 lines 64 – 67, 4 lines 1 – 26, main unit (20) defines a space for operating unit (30), which is the sub body); a sub body coupled to said main body such that the sub body is slidable relative to the main body between at least a first position in which the sub body is at least partially inserted into the space defined by the main body and a second position in which the sub body is at least partially protruding out from space defined by the main body (Figure 1, Cols. 3 lines 64 – 67, 4 lines 1 – 26); a stoppering part for fixing said sub body relative to the main body in at least one of the first and second positions (Figure 1, Cols. 3 lines 64 – 67, 4 lines 1 – 26, a user can pull the operating unit out (30) and use it when needed, a user can also slide said operating unit back

inside the space provided by the main unit (20) when said user is done using said operating unit, in order for said user to operate said operating unit for an extended period of time said operating unit will need fixed in a position, said operating unit will also need to be fixed in position when said operating unit is inside the compartment provided by the main unit thus there will be a stoppering part for fixing said operating unit into positions); and an elastic part which supplies an elasticity power in a direction where said sub body is slidably inserted into or slidably removed from the space defined by the main body (Figure 3A, Col. 4 lines 57 – 58).

Regarding Claim 35, Yamamoto teaches all of the claimed limitations recited in Claim 33. Yamamoto further teaches wherein the space is formed from the side direction to the inside of said main body (Figure 1).

Allowable Subject Matter

3. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record fails to teach or render obvious the following limitations:

A power transformation member having one end portion coupled to the elastic part and another end portion pivotally coupled to the slide plate, the power transformation member configured for receiving the elasticity power of said elastic part.

A power transformation member for receiving the elasticity power of the elastic part, wherein said power transformation member comprises a first block

defining a first pivot hole, which is connected to be rotated around a third first rotation pivot projecting from said slide plate; at least one shaft part fixed to said first block; and a second block defining a penetrating hole in which the shaft part is slidably engaged, and a second pivot hole to which is rotatably coupled a boss formed on the main plate

A power transformation member for receiving the elasticity power of the elastic part, wherein the power transformation member comprises a first block which is linked to be rotatable to a first spot of said main plate; a second block which is linked to be rotatable to a second spot of said slide plate which has a different moving path from said first spot; and a bar member which connects the first block with the second block wherein said elastic part is coupled to said bar member and generates an elasticity power in a direction of extending said first block and said second block.

Claims 1, 14, 18 and their corresponding dependent claims are therefore allowable.

4. Claims 34, 36 - 39 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record fails to teach or render obvious the following:

wherein a keypad is placed on said main body, and a liquid crystal screen is placed on said sub body such that the liquid crystal screen is not exposed when the sub body is in the first position and such that the liquid crystal screen is exposed when the sub body is in the second position

said stoppering part comprises a sliding bar having a hook hanging in a fitting boss of said sub body, the sliding bar also a first elongated hole in a sliding and wherein one end portion of the sliding bar comes in and out from the inside of said main body to the outside thereof; a first pin which is installed in said main body and coupled to said first elongated hole; and a compression spring flipping said sliding bar in a direction where said hook is hung in said fitting boss.

wherein said elastic part comprises a first cross bar, one end of which is supported by said main body, and the other end of which is supported by said sub body; a second cross bar which is positioned to be crossed with said first cross bar, one end of which is supported by said main body, and the other end of which is supported by said sub body; a second pin which is coupled to the centers of said first and said second cross bars, and which makes said first and said second cross bars to be rotated relatively; and a torsion spring which is coupled to said second pin, and which supplies an elasticity power in a direction where said first and said second cross bars push said sub body.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to RAYMOND S. DEAN whose telephone number is (571)272-7877. The examiner can normally be reached on Monday-Friday 6:00-2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward F. Urban can be reached on 571-272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Raymond S Dean/
Examiner, Art Unit 2618
Raymond S. Dean
May 18, 2009

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